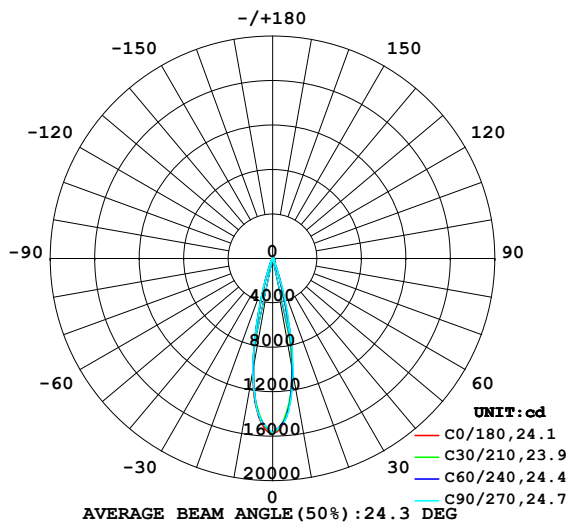


## LUMINAIRE PHOTOMETRIC TEST REPORT

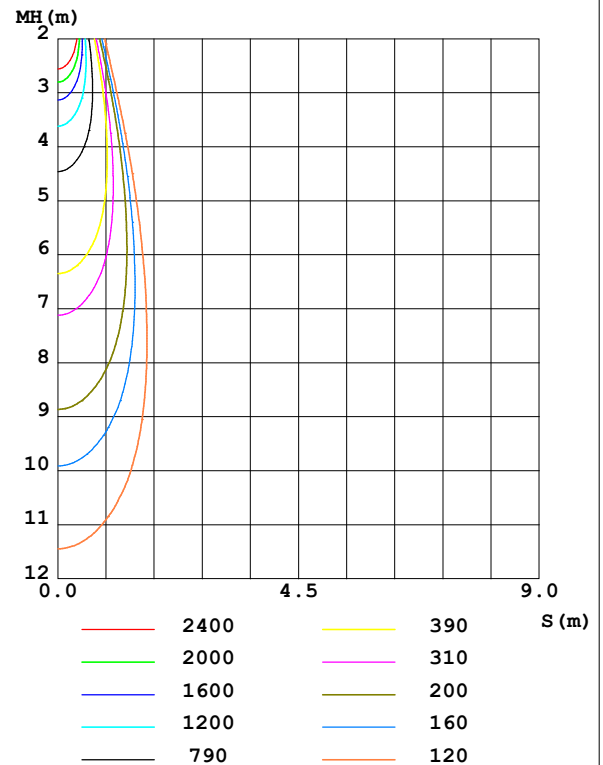
|                          |       |                  |
|--------------------------|-------|------------------|
| NAME: BL7069-C30-3-24-NS | TYPE: | WEIGHT:          |
| SPEC.:                   | DIM.: | SERIAL No.:      |
| MFR.:                    | SUR.: | Shielding Angle: |

| DATA OF LAMP     |       | PHOTOMETRIC DATA |        |                         |  | Eff: 104.88 lm/W |
|------------------|-------|------------------|--------|-------------------------|--|------------------|
| MODEL            |       | Imax (cd)        | 15720  | S/MH (C0/180)           |  | 0.39             |
| NOMINAL POWER(W) | 28    | LOR (%)          | 73.4   | S/MH (C90/270)          |  | 0.39             |
| RATED VOLTAGE(V) | 220   | TOTAL FLUX(lm)   | 2936.6 | $\eta$ UP,DN (C0-180)   |  | 0.0,37.6         |
| NOMINAL FLUX(lm) | 4000  | CIE CLASS        | DIRECT | $\eta$ UP,DN (C180-360) |  | 0.0,35.8         |
| LAMPS INSIDE     | 1     | $\eta$ up (%)    | 0.0    | CIBSE SHR NOM           |  | 0.00             |
| TEST VOLTAGE (V) | 220.1 | $\eta$ down (%)  | 73.4   | CIBSE SHR MAX           |  | 0.30             |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:ZT  
Test Date:2024-01-22

V(B) Range:-85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:10.722m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                       | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 1014                     | 1005   | 1075   | 1018   | 1023   | 998.2  | 1038   | 979.3  | 0- 10    | 1222        | 1222         | 41.6, 30.6 |
| 20       | 137.0                    | 145.0  | 149.3  | 146.4  | 131.0  | 135.7  | 123.8  | 128.4  | 10- 20   | 1310        | 2533         | 86.2, 63.3 |
| 30       | 29.45                    | 20.76  | 21.71  | 19.64  | 18.47  | 17.30  | 16.27  | 16.52  | 20- 30   | 243.5       | 2776         | 94.5, 69.4 |
| 40       | 14.87                    | 7.015  | 7.026  | 6.860  | 7.883  | 5.559  | 5.547  | 5.414  | 30- 40   | 73.53       | 2849         | 97, 71.2   |
| 50       | 7.554                    | 4.133  | 4.093  | 4.067  | 4.984  | 3.256  | 3.396  | 3.257  | 40- 50   | 42.10       | 2892         | 98.5, 72.3 |
| 60       | 2.941                    | 1.892  | 1.873  | 1.826  | 2.676  | 1.136  | 1.183  | 1.248  | 50- 60   | 25.37       | 2917         | 99.3, 72.9 |
| 70       | 0.9540                   | 0.8866 | 0.9589 | 0.9027 | 1.987  | 0.2689 | 0.2764 | 0.4165 | 60- 70   | 10.30       | 2927         | 99.7, 73.2 |
| 80       | 0.4398                   | 0.6544 | 0.7159 | 0.7208 | 1.619  | 0.1402 | 0.1605 | 0.2727 | 70- 80   | 6.151       | 2933         | 99.9, 73.3 |
| 90       | 0.2679                   | 0      | 0      | 0      | 0.4913 | 0      | 0      | 0      | 80- 90   | 3.189       | 2937         | 100, 73.4  |
| 100      |                          |        |        |        |        |        |        |        | 90-100   |             |              |            |
| 110      |                          |        |        |        |        |        |        |        | 100-110  |             |              |            |
| 120      |                          |        |        |        |        |        |        |        | 110-120  |             |              |            |
| 130      |                          |        |        |        |        |        |        |        | 120-130  |             |              |            |
| 140      |                          |        |        |        |        |        |        |        | 130-140  |             |              |            |
| 150      |                          |        |        |        |        |        |        |        | 140-150  |             |              |            |
| 160      |                          |        |        |        |        |        |        |        | 150-160  |             |              |            |
| 170      |                          |        |        |        |        |        |        |        | 160-170  |             |              |            |
| 180      |                          |        |        |        |        |        |        |        | 170-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:X10cd |        |        |        |        |        |        |        |          | UNIT: 1m    |              |            |

Conical surface Flux(90deg): 2872.5 lm

%lum = 97.8%

%lamp = 71.8%

Conical surface Flux(120deg): 2917 lm

%lum = 99.3%

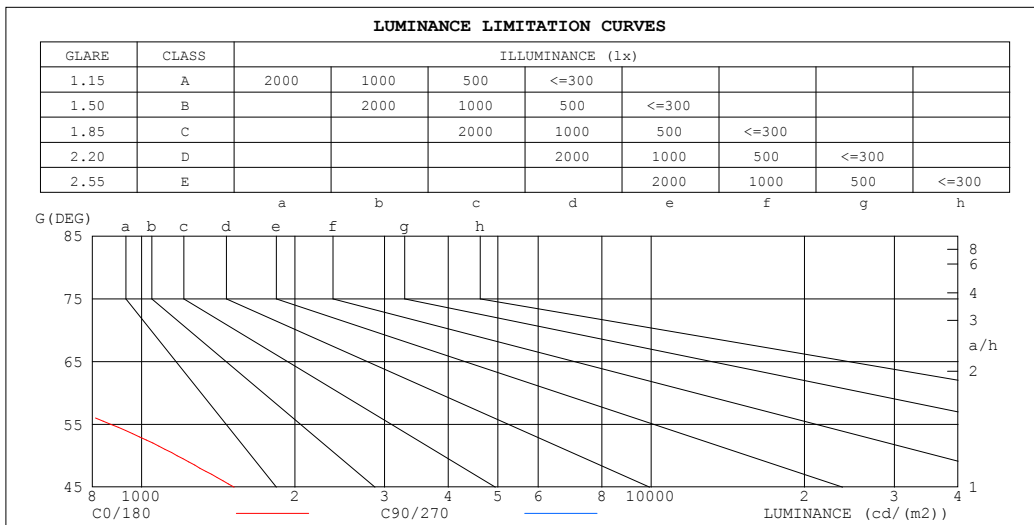
%lamp = 72.9%

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.3°C  
 Operators:ZT  
 Test Date:2024-01-22

V(B) Range:-85 - 85DEG  
 V(B) Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:10.722m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|                          |       |                  |
|--------------------------|-------|------------------|
| NAME: BL7069-C30-3-24-NS | TYPE: | WEIGHT:          |
| SPEC.:                   | DIM.: | SERIAL No.:      |
| MFR.:                    | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 390    | 344     |
| 80                | 253    | 412     |
| 75                | 243    | 326     |
| 70                | 279    | 280     |
| 65                | 356    | 275     |
| 60                | 588    | 375     |
| 55                | 871    | 516     |
| 50                | 1175   | 637     |
| 45                | 1519   | 755     |

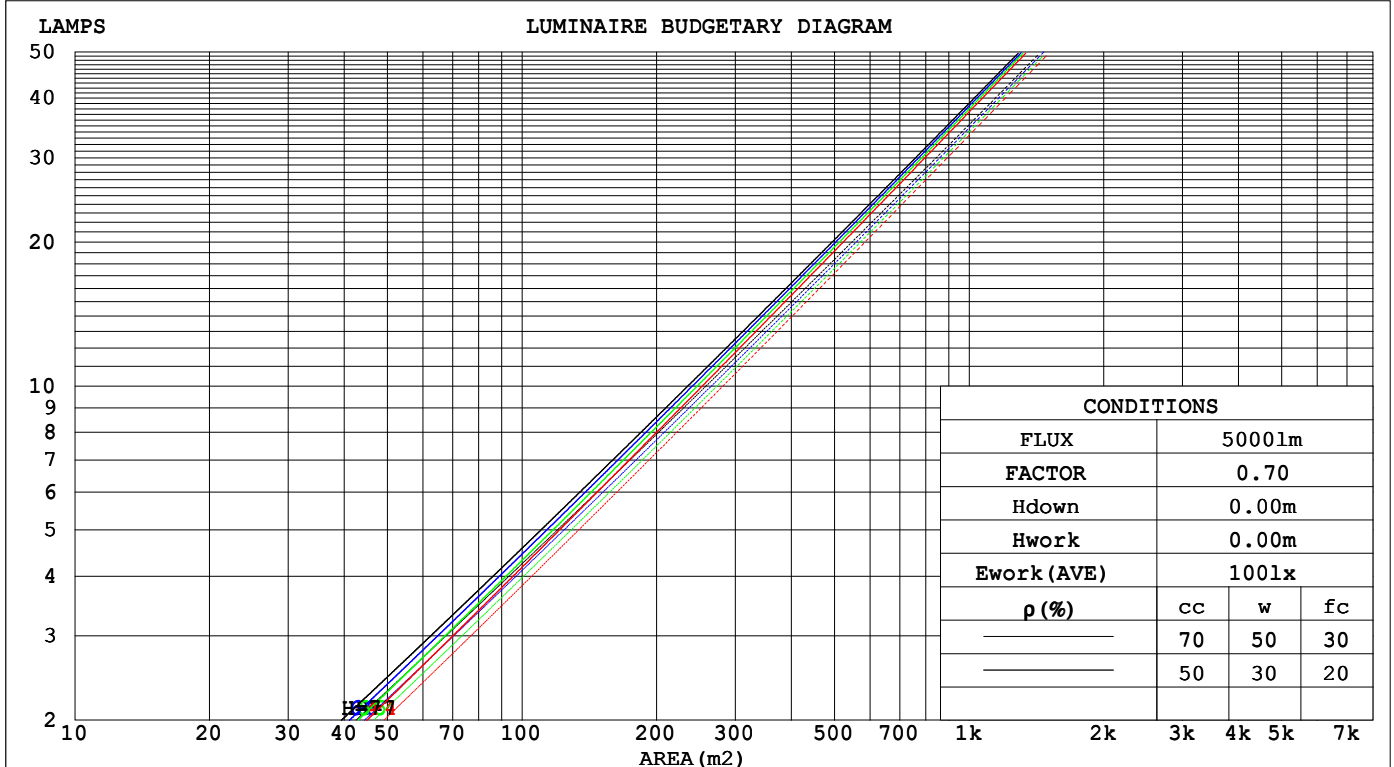
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:ZT  
Test Date:2024-01-22

V(B) Range:-85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:10.722m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                          |       |                  |
|--------------------------|-------|------------------|
| NAME: BL7069-C30-3-24-NS | TYPE: | WEIGHT:          |
| SPEC.:                   | DIM.: | SERIAL No.:      |
| MFR.:                    | SUR.: | Shielding Angle: |

| ρcc  | 80%                   |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ρw   | 50%                   | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ρfc  | 20%                   |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RCR  | RCR:Room Cavity Ratio |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Coefficients of Utilization(CU) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.0  | .87                   | .87 | .87 | .85 | .85 | .85 | .82 | .82 | .82 | .78 | .78 | .78 | .75 | .75 | .75 | .73                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.0  | .83                   | .82 | .80 | .81 | .80 | .79 | .78 | .78 | .77 | .76 | .75 | .74 | .73 | .73 | .72 | .71                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0  | .79                   | .77 | .75 | .78 | .76 | .74 | .76 | .74 | .73 | .74 | .72 | .71 | .72 | .71 | .70 | .69                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0  | .76                   | .74 | .71 | .75 | .73 | .71 | .73 | .71 | .70 | .72 | .70 | .69 | .70 | .69 | .68 | .67                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0  | .73                   | .71 | .68 | .73 | .70 | .68 | .71 | .69 | .67 | .70 | .68 | .67 | .69 | .67 | .66 | .65                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0  | .71                   | .68 | .66 | .70 | .68 | .66 | .69 | .67 | .65 | .68 | .66 | .65 | .67 | .65 | .64 | .63                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0  | .69                   | .66 | .64 | .68 | .65 | .63 | .67 | .65 | .63 | .66 | .64 | .63 | .66 | .64 | .62 | .62                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0  | .67                   | .64 | .62 | .66 | .64 | .62 | .66 | .63 | .61 | .65 | .63 | .61 | .64 | .62 | .61 | .60                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0  | .65                   | .62 | .60 | .65 | .62 | .60 | .64 | .62 | .60 | .63 | .61 | .60 | .63 | .61 | .59 | .59                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0  | .63                   | .60 | .59 | .63 | .60 | .59 | .62 | .60 | .58 | .62 | .60 | .58 | .61 | .59 | .58 | .57                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0 | .62                   | .59 | .57 | .62 | .59 | .57 | .61 | .59 | .57 | .61 | .58 | .57 | .60 | .58 | .57 | .56                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:ZT  
Test Date:2024-01-22

V(B) Range:-85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:10.722m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                          |       |                  |
|--------------------------|-------|------------------|
| NAME: BL7069-C30-3-24-NS | TYPE: | WEIGHT:          |
| SPEC.:                   | DIM.: | SERIAL No.:      |
| MFR.:                    | SUR.: | Shielding Angle: |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                              |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                              |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |
| 1.0  | .099                  | .056 | .018 | .094 | .054 | .017 | .085                             | .049 | .016 | .076 | .044 | .014 | .069 | .040 | .013 |   |
| 2.0  | .091                  | .050 | .015 | .087 | .048 | .015 | .079                             | .044 | .014 | .072 | .041 | .013 | .066 | .037 | .012 |   |
| 3.0  | .084                  | .045 | .013 | .081 | .043 | .013 | .075                             | .040 | .012 | .069 | .038 | .012 | .063 | .035 | .011 |   |
| 4.0  | .078                  | .041 | .012 | .076 | .040 | .012 | .070                             | .037 | .011 | .065 | .035 | .011 | .061 | .033 | .010 |   |
| 5.0  | .073                  | .037 | .011 | .071 | .036 | .011 | .067                             | .035 | .010 | .062 | .033 | .010 | .059 | .031 | .009 |   |
| 6.0  | .069                  | .035 | .010 | .067 | .034 | .010 | .063                             | .032 | .009 | .060 | .031 | .009 | .056 | .030 | .009 |   |
| 7.0  | .065                  | .032 | .009 | .064 | .032 | .009 | .060                             | .031 | .009 | .057 | .029 | .009 | .054 | .028 | .008 |   |
| 8.0  | .062                  | .030 | .009 | .061 | .030 | .008 | .058                             | .029 | .008 | .055 | .028 | .008 | .052 | .027 | .008 |   |
| 9.0  | .059                  | .029 | .008 | .058 | .028 | .008 | .055                             | .027 | .008 | .053 | .027 | .008 | .051 | .026 | .007 |   |
| 10.0 | .056                  | .027 | .008 | .055 | .027 | .007 | .053                             | .026 | .007 | .051 | .025 | .007 | .049 | .025 | .007 |   |

| pcc  | 80%                                                                                    |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|----------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                                                                                    | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                                                                                    |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio                      Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  | .140                                                                                   | .140 | .140 | .120 | .120 | .120 | .082 | .082 | .082 | .047 | .047 | .047 | .015 | .015 | .015 |   |
| 1.0  | .123                                                                                   | .116 | .109 | .106 | .099 | .094 | .072 | .068 | .065 | .042 | .040 | .038 | .013 | .013 | .012 |   |
| 2.0  | .110                                                                                   | .097 | .087 | .094 | .084 | .075 | .065 | .058 | .052 | .037 | .034 | .031 | .012 | .011 | .010 |   |
| 3.0  | .099                                                                                   | .083 | .071 | .085 | .072 | .061 | .058 | .050 | .043 | .034 | .029 | .025 | .011 | .009 | .008 |   |
| 4.0  | .089                                                                                   | .072 | .058 | .077 | .062 | .051 | .053 | .043 | .036 | .031 | .025 | .021 | .010 | .008 | .007 |   |
| 5.0  | .081                                                                                   | .063 | .049 | .070 | .054 | .043 | .048 | .038 | .030 | .028 | .022 | .018 | .009 | .007 | .006 |   |
| 6.0  | .075                                                                                   | .055 | .041 | .064 | .048 | .036 | .044 | .034 | .025 | .026 | .020 | .015 | .008 | .006 | .005 |   |
| 7.0  | .069                                                                                   | .049 | .035 | .059 | .043 | .031 | .041 | .030 | .022 | .024 | .018 | .013 | .008 | .006 | .004 |   |
| 8.0  | .064                                                                                   | .044 | .031 | .055 | .038 | .027 | .038 | .027 | .019 | .022 | .016 | .011 | .007 | .005 | .004 |   |
| 9.0  | .060                                                                                   | .040 | .027 | .052 | .035 | .023 | .036 | .024 | .016 | .021 | .014 | .010 | .007 | .005 | .003 |   |
| 10.0 | .056                                                                                   | .036 | .023 | .048 | .032 | .020 | .034 | .022 | .014 | .020 | .013 | .009 | .006 | .004 | .003 |   |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: MEDIUM  
Temperature:25.3℃  
Operators:ZT  
Test Date:2024-01-22

V(B) Range:-85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:10.722m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|                                                                 |     |     |     |     |                  |      |      |      |      |                  |      |      |      |      |
|-----------------------------------------------------------------|-----|-----|-----|-----|------------------|------|------|------|------|------------------|------|------|------|------|
| NAME: BL7069-C30-3-24-NS                                        |     |     |     |     | TYPE:            |      |      |      |      | WEIGHT:          |      |      |      |      |
| SPEC.:                                                          |     |     |     |     | DIM.:            |      |      |      |      | SERIAL No.:      |      |      |      |      |
| MFR.:                                                           |     |     |     |     | SUR.:            |      |      |      |      | Shielding Angle: |      |      |      |      |
| ceiling/cavity                                                  | 0.7 | 0.7 | 0.5 | 0.5 | 0.3              | 0.7  | 0.7  | 0.5  | 0.5  | 0.3              |      |      |      |      |
| walls                                                           | 0.5 | 0.3 | 0.5 | 0.3 | 0.3              | 0.5  | 0.3  | 0.5  | 0.3  | 0.3              |      |      |      |      |
| working plane                                                   | 0.2 | 0.2 | 0.2 | 0.2 | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2              |      |      |      |      |
| Room dimensions                                                 |     |     |     |     | Viewed crosswise |      |      |      |      | Viewed endwise   |      |      |      |      |
| x = 2H y = 2H                                                   |     |     |     |     | -1.6             | -1.0 | -1.4 | -0.8 | -0.7 | -3.2             | -2.6 | -3.0 | -2.5 | -2.3 |
| 3H                                                              |     |     |     |     | -1.4             | -0.9 | -1.2 | -0.7 | -0.5 | -2.8             | -2.3 | -2.6 | -2.1 | -1.9 |
| 4H                                                              |     |     |     |     | -1.4             | -0.8 | -1.1 | -0.6 | -0.4 | -2.5             | -1.9 | -2.2 | -1.7 | -1.5 |
| 6H                                                              |     |     |     |     | -1.2             | -0.7 | -1.0 | -0.5 | -0.3 | -2.0             | -1.5 | -1.7 | -1.2 | -1.0 |
| 8H                                                              |     |     |     |     | -1.1             | -0.6 | -0.9 | -0.4 | -0.1 | -1.7             | -1.2 | -1.4 | -0.9 | -0.7 |
| 12H                                                             |     |     |     |     | -1.0             | -0.5 | -0.7 | -0.2 | 0.0  | -1.4             | -0.9 | -1.1 | -0.7 | -0.4 |
| 4H 2H                                                           |     |     |     |     | -1.6             | -1.0 | -1.3 | -0.8 | -0.6 | -3.1             | -2.6 | -2.9 | -2.4 | -2.1 |
| 3H                                                              |     |     |     |     | -1.4             | -0.9 | -1.1 | -0.6 | -0.3 | -2.5             | -2.0 | -2.2 | -1.8 | -1.5 |
| 4H                                                              |     |     |     |     | -1.2             | -0.7 | -0.9 | -0.4 | -0.2 | -2.0             | -1.6 | -1.7 | -1.3 | -1.0 |
| 6H                                                              |     |     |     |     | -0.9             | -0.5 | -0.6 | -0.2 | 0.1  | -1.4             | -1.0 | -1.0 | -0.6 | -0.3 |
| 8H                                                              |     |     |     |     | -0.7             | -0.3 | -0.3 | 0.0  | 0.4  | -0.9             | -0.5 | -0.5 | -0.2 | 0.2  |
| 12H                                                             |     |     |     |     | -0.4             | -0.0 | 0.0  | 0.3  | 0.7  | -0.5             | -0.2 | -0.1 | 0.2  | 0.6  |
| 8H 4H                                                           |     |     |     |     | -1.1             | -0.7 | -0.7 | -0.4 | -0.0 | -1.9             | -1.5 | -1.5 | -1.2 | -0.8 |
| 6H                                                              |     |     |     |     | -0.6             | -0.3 | -0.2 | 0.1  | 0.5  | -1.0             | -0.7 | -0.6 | -0.3 | 0.1  |
| 8H                                                              |     |     |     |     | -0.3             | 0.0  | 0.2  | 0.4  | 0.9  | -0.4             | -0.1 | 0.0  | 0.3  | 0.7  |
| 12H                                                             |     |     |     |     | 0.3              | 0.5  | 0.8  | 1.0  | 1.5  | 0.1              | 0.4  | 0.6  | 0.8  | 1.3  |
| 12H 4H                                                          |     |     |     |     | -1.1             | -0.8 | -0.7 | -0.4 | -0.0 | -1.9             | -1.5 | -1.5 | -1.2 | -0.8 |
| 6H                                                              |     |     |     |     | -0.6             | -0.3 | -0.1 | 0.1  | 0.6  | -0.9             | -0.6 | -0.5 | -0.2 | 0.2  |
| 8H                                                              |     |     |     |     | -0.1             | 0.1  | 0.4  | 0.6  | 1.0  | -0.2             | -0.0 | 0.2  | 0.4  | 0.9  |
| Variations with the observer position at spacings(CIE Pub.117): |     |     |     |     |                  |      |      |      |      |                  |      |      |      |      |
| S = 1.0H                                                        |     |     |     |     | + 1.9 / - 1.3    |      |      |      |      | + 0.5 / - 0.6    |      |      |      |      |
| 1.5H                                                            |     |     |     |     | + 2.6 / - 1.5    |      |      |      |      | + 0.6 / - 0.4    |      |      |      |      |
| 2.0H                                                            |     |     |     |     | + 3.6 / - 1.7    |      |      |      |      | + 0.8 / - 0.8    |      |      |      |      |

CIE Pub.117, 4000 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 4.8$ )  
Area: 0.1 m<sup>2</sup>

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:ZT  
Test Date:2024-01-22

V(B) Range:-85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:10.722m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                          |       |                  |
|--------------------------|-------|------------------|
| NAME: BL7069-C30-3-24-NS | TYPE: | WEIGHT:          |
| SPEC.:                   | DIM.: | SERIAL No.:      |
| MFR.:                    | SUR.: | Shielding Angle: |

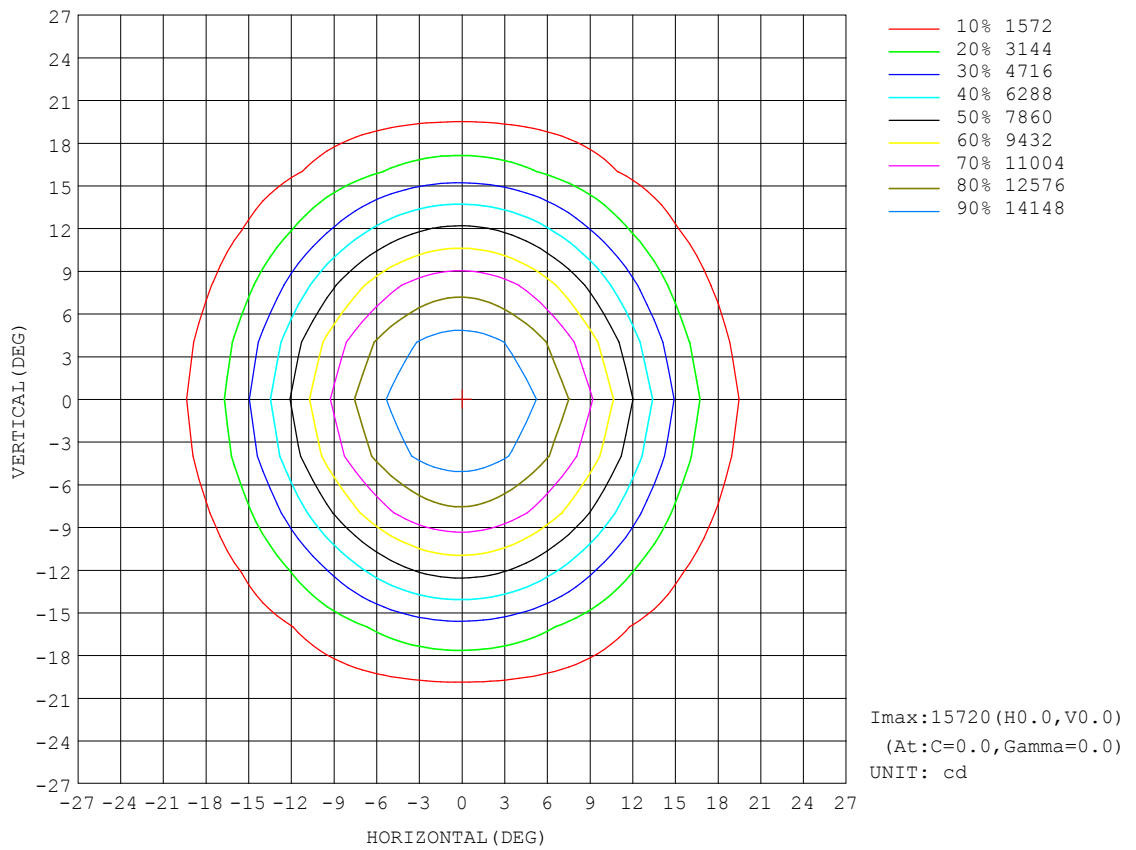
| REFLECTANCE                      |                                                      |     |     |           |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----|-----------|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8                                                  | 0.8 | 0.8 | 0.7       | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7                                                  | 0.5 | 0.3 | 0.7       | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2                                                  | 0.2 | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ |     |     |           |     |     |     |               |     |        |
| $k = 0.60$                       | 66                                                   | 61  | 59  | 65        | 61  | 59  | 65  | 61            | 59  | 56     |
| 0.80                             | 71                                                   | 67  | 65  | 71        | 67  | 64  | 70  | 66            | 64  | 62     |
| 1.00                             | 74                                                   | 70  | 68  | 73        | 70  | 67  | 72  | 70            | 67  | 64     |
| 1.25                             | 77                                                   | 73  | 71  | 76        | 73  | 70  | 75  | 72            | 70  | 67     |
| 1.50                             | 79                                                   | 75  | 73  | 78        | 75  | 73  | 76  | 74            | 72  | 69     |
| 2.00                             | 80                                                   | 77  | 75  | 79        | 77  | 75  | 77  | 75            | 73  | 70     |
| 2.50                             | 81                                                   | 79  | 77  | 80        | 78  | 76  | 78  | 76            | 75  | 70     |
| 3.00                             | 82                                                   | 80  | 78  | 81        | 79  | 77  | 79  | 77            | 76  | 71     |
| 4.00                             | 84                                                   | 82  | 80  | 82        | 81  | 79  | 80  | 78            | 77  | 72     |
| 5.00                             | 85                                                   | 83  | 82  | 83        | 82  | 81  | 80  | 79            | 79  | 73     |
| ROOM INDEX                       | UF(total)                                            |     |     |           |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     |     | Suspended |     |     |     | SHRNOM = 1.25 |     |        |

**H( $\beta$ ) Range:** -90 - 90DEG  
**H( $\beta$ ) Interval:** 0.5DEG  
**Test Speed:** MEDIUM  
**Temperature:** 25.3°C  
**Operators:** ZT  
**Test Date:** 2024-01-22

**V( $\beta$ ) Range:** -85 - 85DEG  
**V( $\beta$ ) Interval:** 2.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
**Humidity:** 65.0%  
**Test Distance:** 10.722m [K=1.0000]  
**Remarks:**

ISOCANDELA DIAGRAM

|                          |       |                  |
|--------------------------|-------|------------------|
| NAME: BL7069-C30-3-24-NS | TYPE: | WEIGHT:          |
| SPEC.:                   | DIM.: | SERIAL No.:      |
| MFR.:                    | SUR.: | Shielding Angle: |

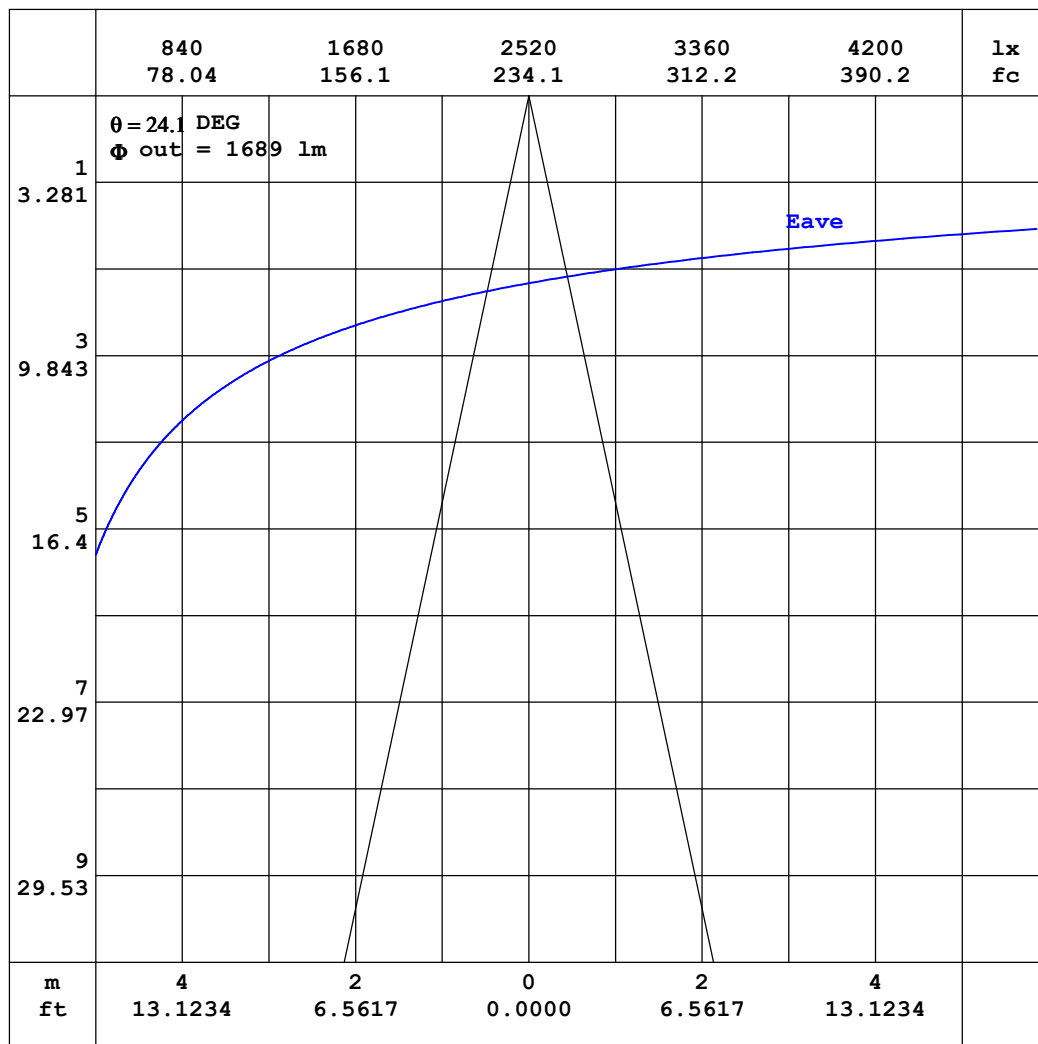


H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: MEDIUM  
Temperature:25.3℃  
Operators:ZT  
Test Date:2024-01-22

V(B) Range:-85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:10.722m [K=1.0000]  
Remarks:

### AAI CURVES

|                          |       |                  |
|--------------------------|-------|------------------|
| NAME: BL7069-C30-3-24-NS | TYPE: | WEIGHT:          |
| SPEC.:                   | DIM.: | SERIAL No.:      |
| MFR.:                    | SUR.: | Shielding Angle: |



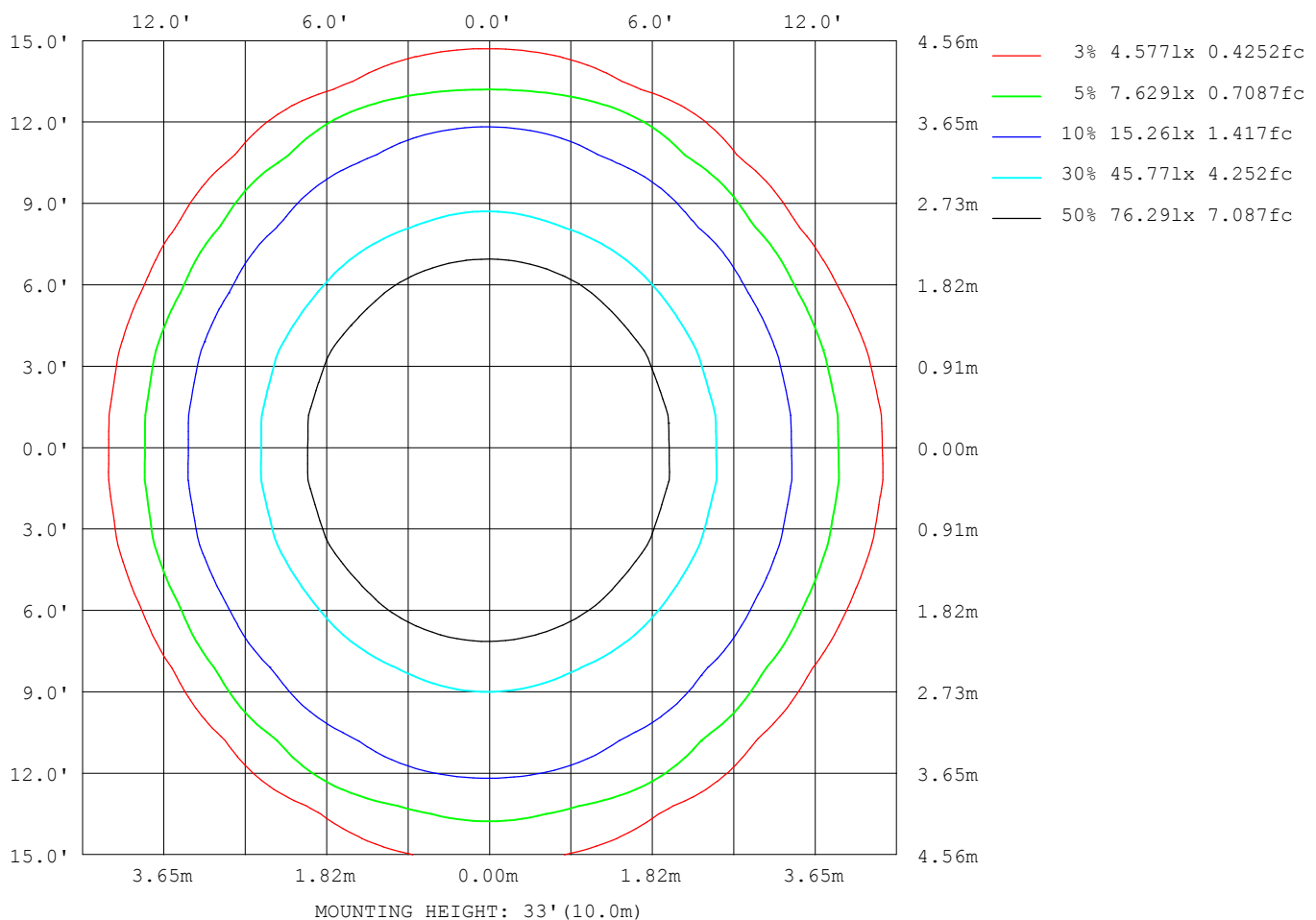
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: MEDIUM  
Temperature: 25.3°C  
Operators: ZT  
Test Date: 2024-01-22

V(B) Range: -85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 10.722m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

|                          |       |                  |
|--------------------------|-------|------------------|
| NAME: BL7069-C30-3-24-NS | TYPE: | WEIGHT:          |
| SPEC.:                   | DIM.: | SERIAL No.:      |
| MFR.:                    | SUR.: | Shielding Angle: |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:ZT  
Test Date:2024-01-22

V(B) Range:-85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:10.722m [K=1.0000]  
Remarks:

### LED Avg.L Report

|                          |       |                  |
|--------------------------|-------|------------------|
| NAME: BL7069-C30-3-24-NS | TYPE: | WEIGHT:          |
| SPEC.:                   | DIM.: | SERIAL No.:      |
| MFR.:                    | SUR.: | Shielding Angle: |

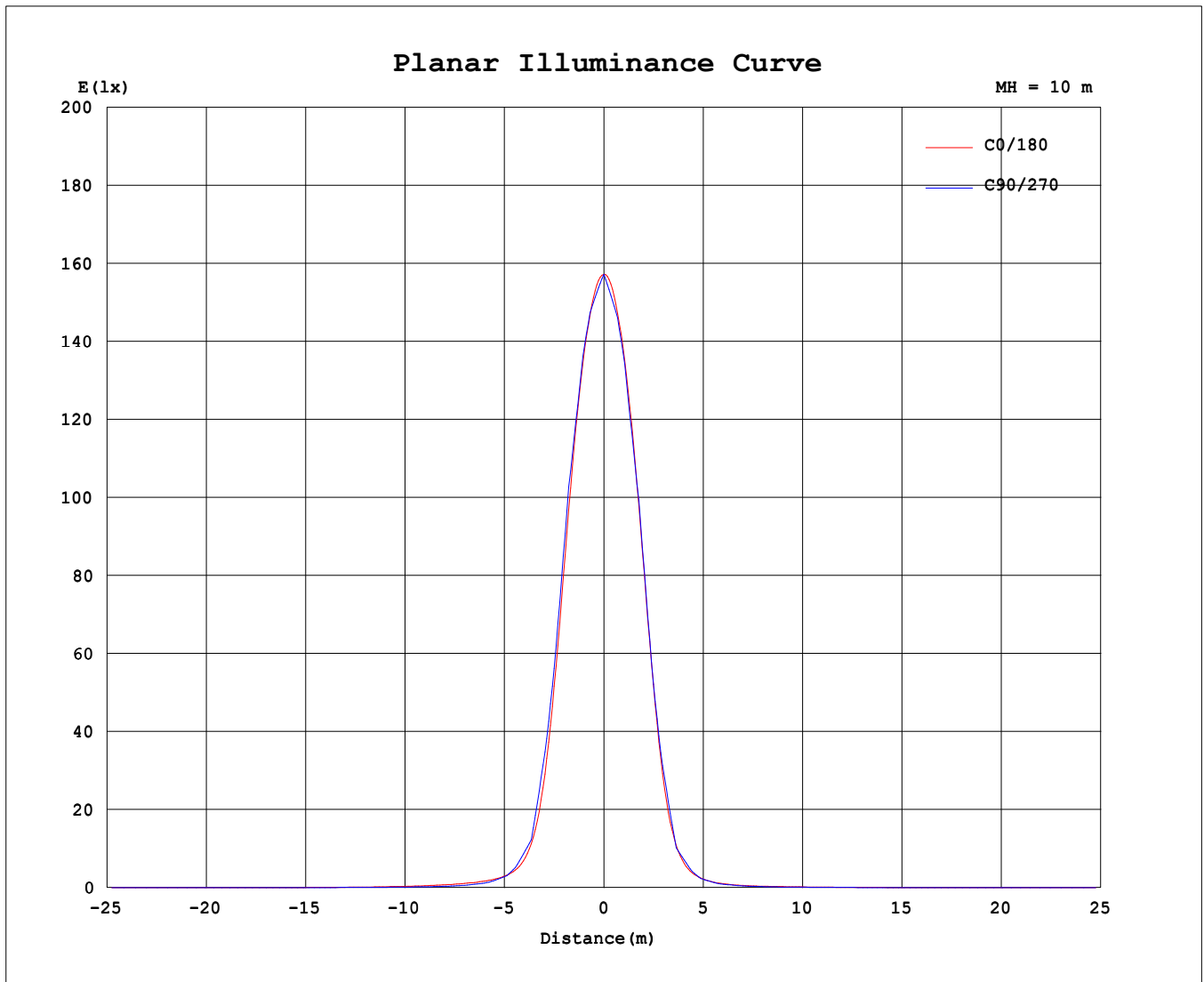
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 429   |
| L_0~180 (75) av  | 468   |
| L_0~180 (85) av  | 1037  |
| L_90~270 (65) av | 196   |
| L_90~270 (75) av | 200   |
| L_90~270 (85) av | 221   |
| L_45 (65) av     | 193   |
| L_45 (75) av     | 202   |
| L_45 (85) av     | 414   |

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: MEDIUM  
Temperature:25.3℃  
Operators:ZT  
Test Date:2024-01-22

V(B) Range:-85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:10.722m [K=1.0000]  
Remarks:

# Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:ZT  
Test Date:2024-01-22

V(B) Range:-85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:10.722m [K=1.0000]  
Remarks:

```
V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:
```

V(B) Range:-85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:10.722m [K=1.0000]  
Remarks:

V(B) Range:-85 - 85DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:10.722m [K=1.0000]  
Remarks:

```
V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:
```